

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 September 2005 (29.09.2005)

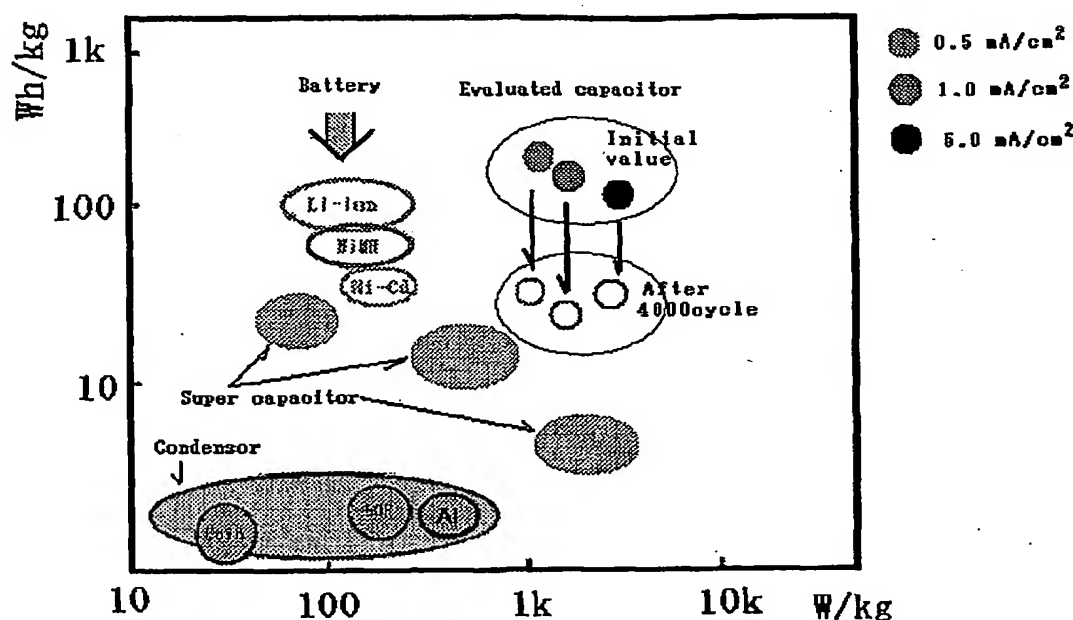
PCT

(10) International Publication Number  
**WO 2005/090446 A1**

- (51) International Patent Classification<sup>7</sup>: C08J 3/00, 3/20, 3/22, C08K 3/02, 3/04, C08L 79/02, H01L 51/30
- (21) International Application Number:  
PCT/EP2005/002889
- (22) International Filing Date: 17 March 2005 (17.03.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
10 2004 013 634.3 18 March 2004 (18.03.2004) DE  
10 2004 014 021.9 19 March 2004 (19.03.2004) DE  
60/566,954 29 April 2004 (29.04.2004) US
- (71) Applicants (for all designated States except US): ORMECON GMBH [DE/DE]; Ferdinand-Harten-Str. 7, 22949 Ammersbek (DE). NISSAN CHEMICAL INDUSTRIES, LTD. [JP/JP]; Kowa-Hitotsubashi Building, 11th Floor 7-1, Kanda-Nishiki-cho, 3-chome, Chiyoda-ku, Tokyo 101-0054 (JP).
- (72) Inventors; and  
(75) Inventors/Applicants (for US only): WESSLING, Bernhard [DE/DE]; Wiesenweg 38, 22941 Bargteheide (DE). FURUSHO, Hitoshi [JP/JP]; 722-1, Tsuboi-Cho, Funabashi-shi, Chiba 274-8507 (JP). MATSUMURA, Mitsunobu [JP/JP]; 7-1, Kanda-nishiki-cho, 3 chome, Chiyoda-Ku, Tokyo 101-0054 (JP). ISAJI, Tadayuki [JP/JP]; 722-1, Tsuboi-cho, Funabashi-shi, Chiba 274-8507 (JP).
- (74) Agents: NOHLEN, Martin et al.; Uexküll & Stolberg, Beselerstrasse 4, 22607 Hamburg (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: A COMPOSITION COMPRISING A CONDUCTIVE POLYMER IN COLLOIDAL FORM AND CARBON



(57) Abstract: The present invention relates to compositions capable of forming a coating and comprising a mixture of a conductive polymer in colloidal form and carbon, methods for their manufacture and use for high-capacity electrical double layer capacitors to be utilized in various electronic apparatuses, power supplies and the like.



(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

**Published:**

— with international search report